

## Claims

1. A method for producing a palladium-containing hydrogenation catalyst, consisting in reducing divalent palladium from the initial  
5 compound thereof and precipitating the thus reduced palladium on a carbon material, characterized in that the initial compound is embodied in the form of tetra aqua-palladium (II) perchlorate, and the reduced palladium is precipitated on a nano-carbon material.

2. A method according to claim 1, characterized in that  
10 the nano-carbon material is embodied in the form of fullerene C<sub>60</sub>.

3. A method according to claim 1, characterized in that the nano-carbon material is embodied in the form of carbon nanotubes.

4. A method according to claim 1, characterized in that the nano-carbon material is embodied in the form of cathodic deposit.

15 5. A method according to claim 1, characterized in that the nano-carbon material is embodied in the form of the mixture of C<sub>60</sub> and C<sub>70</sub> fullerenes at the following ratio thereof:

fullerene C<sub>60</sub> - 60 – 80 mass %

fullerene C<sub>70</sub> - 20 – 40 mass %